

CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

Employer Id : E71779

Employer : University of Washington

Worksite : Tacoma Campus

Street : 1900 Commerce St

Jurisdiction : City of Tacoma

Survey Date : 6/3/2014

Survey Type : Online

Response Rate : 63%

Drive Alone & One-Way VMT Rates at this Worksite

Employees and Survey Response Information

Drive Alone : 70.5%

Reported Total Employees at Worksite: 649

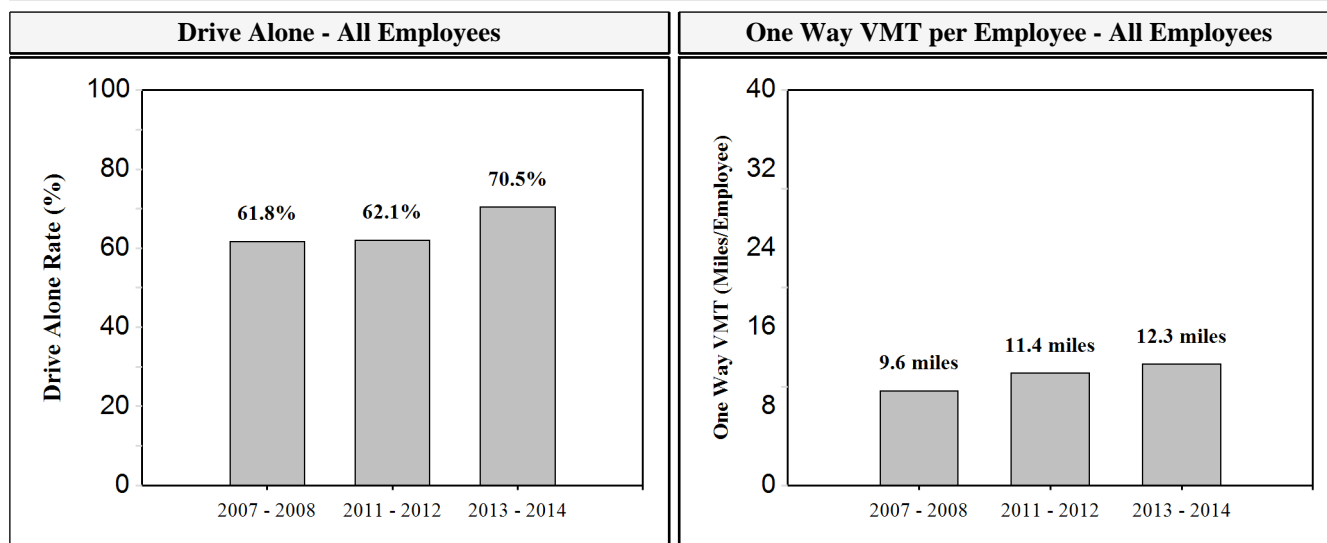
Surveys Distributed : 649

One-Way VMT per employee : 12.3

Surveys Returned : 406

Surveys Returned by CTR Affected Employees : 301

Total Estimated CTR - Affected Employees at Worksite : 481



Site History and Goal

Cycle	Drive Alone - All	Drive Alone - CTR Affected	VMT / Employee - All	VMT / Employee - CTR Affected
2007 - 2008	61.8%	63.1%	9.6	10.1
2009 - 2010	57.1%	55.8%	8.5	8.0
2011 - 2012	62.1%	57.2%	11.4	9.6
2013 - 2014	70.5%	71.4%	12.3	11.9
2015 - 2016	N/A	N/A	N/A	N/A
2017 - 2018	N/A	N/A	N/A	N/A
2019 - 2020	N/A	N/A	N/A	N/A
Goal	TBD	TBD	TBD	TBD
Percent Change	14.1%	13.2%	28.1%	17.8%

Comparison Between Rates With and Without Fill-In

The survey response rate is indicated on Page 1. To encourage a response rate of at least 70%, additional drive alone trips are added to survey results for worksites with a response rate of less than 70%. For these worksites it is assumed that non-responding employees between the actual response rate and 70% drive alone 5 days a week. These additional trips represent the "Fill-In" applied. Note that fill-in is not applied to a worksite's first survey in the 2007 to 2012 cycle (their baseline survey).

	2007 - 2008	2011 - 2012	2013 - 2014	2013 - 2014 Without Fill In
Drive Alone - All Employees*	61.8%	62.1%	70.5%	66.7%
Drive Alone - CTR Affected Employees*	63.1%	57.2%	71.4%	66.8%
VMT/Employee - All Employees	9.6	11.4	12.3	11.7
VMT/Employees - CTR Affected Employees	10.1	9.6	11.9	11.2

* Drive alone rate includes one person motorcycles.

GHG Emissions: Total for Drive Alone, Carpools, Vanpools

Annual Greenhouse Gas Emissions (Metric Tons CO₂e) for Roundtrip Commute*

Value	2007 - 2008	2011 - 2012	2013 - 2014
Emissions for Surveyed Employees	461	944	961
Estimated Emissions for Total Employment	631	1,315	1,537

* Estimated based on VMT from commuters driving alone, carpooling, vanpooling, or motorcycling, without fill-in applied.

Bus Transit Passenger Miles and Rail Transit Passenger Miles*

Annual Transit Passenger Miles (includes Roundtrip Commute)	2007 - 2008	2011 - 2012	2013 - 2014
Bus Annual Passenger Miles - Estimated for Total Employment	307,027	698,629	667,863
Bus Annual Passenger Miles - Surveyed Employees	224,100	501,700	417,800
Ferry Annual Passenger Miles - Estimated for Total Employment	0	58,486	47,956
Ferry Annual Passenger Miles - Surveyed Employees	0	42,000	30,000
Train/Light Rail/Streetcar Annual Passenger Miles - Estimated for Total Employment	0	30,218	49,394
Train/Light Rail/Streetcar Annual Passenger Miles - Surveyed Employees	0	21,700	30,900

* Transit passenger miles can be used to gauge changes in transit usage, and also to calculate greenhouse gas emissions from transit commute trips. However, emissions attributable to transit vary widely, depending on the efficiency/energy source of transit vehicles and transit vehicle passenger load (typically ranging from 0.1 to 0.9 pounds CO₂e emissions/passenger mile). Employers are strongly encouraged to contact their local transit agencies for more precise information on GHG emissions for their transit trips. If nothing else is available, the value of 0.47 pounds (0.00021 metric tons) per passenger mile can be used to estimate CO₂e emissions for bus transit, and 0.39 pounds (0.00018 metric tons) CO₂e emissions per passenger mile for train/light rail/streetcar.

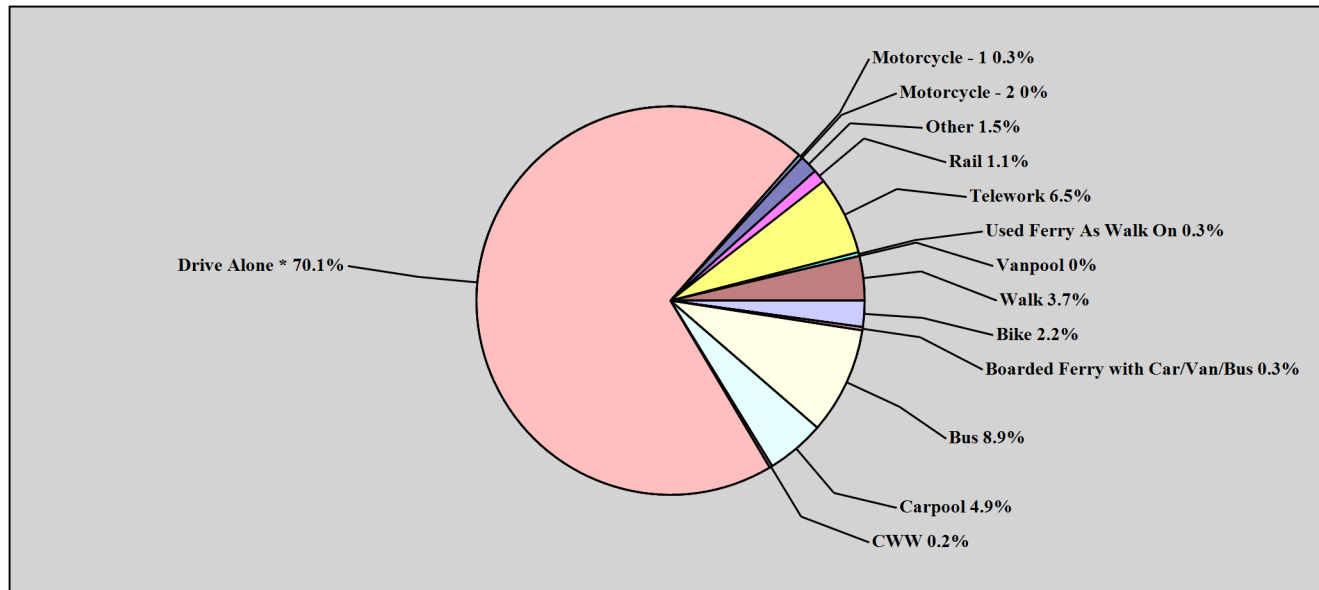
Q3.

One way, how many miles do you commute from home to your usual work location?
Average one-way distance home to work: 17.7 miles

Commute Trips By Mode - All Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



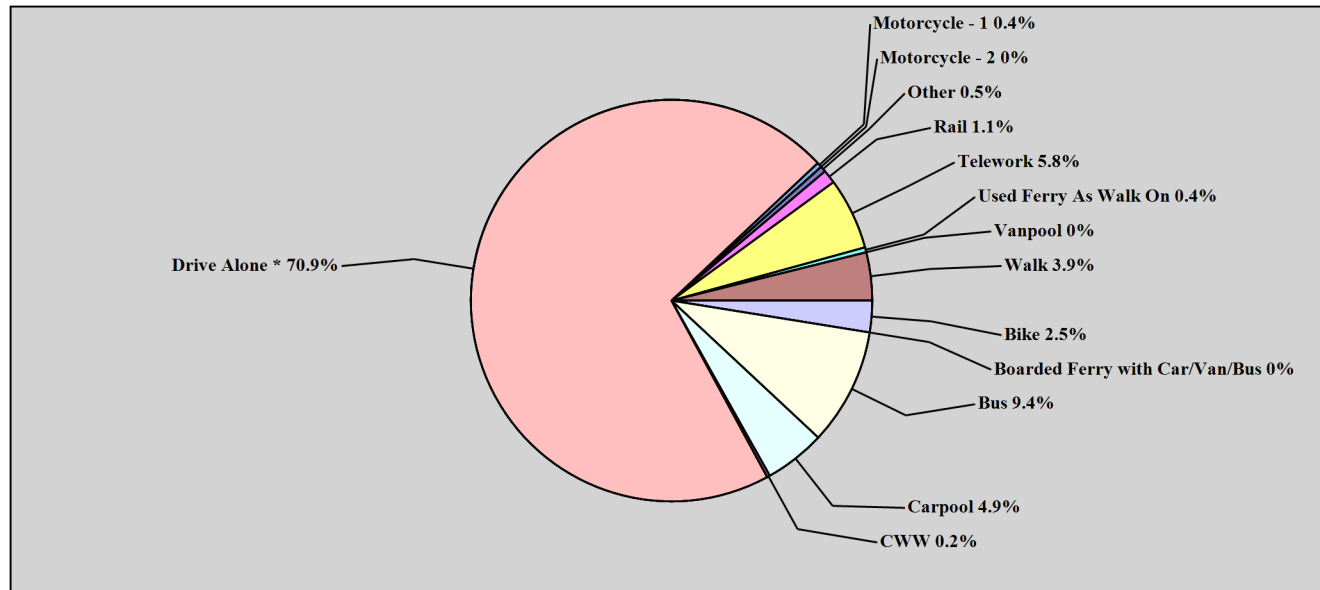
Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	1,481	70.1%	61.6%	321	79.1%	74.3%
Carpool	103	4.9%	8.1%	38	9.4%	12.9%
Vanpool	0	0.0%	0.2%	0	0.0%	0.7%
Motorcycle - 1	7	0.3%	0.4%	1	0.2%	0.9%
Motorcycle - 2	0	0.0%	0.1%	0	0.0%	0.2%
Bus	188	8.9%	13.6%	56	13.8%	18.0%
Rail	23	1.1%	0.6%	8	2.0%	1.4%
Bike	46	2.2%	1.8%	21	5.2%	2.8%
Walk	78	3.7%	3.5%	20	4.9%	4.2%
Telework	138	6.5%	6.7%	62	15.3%	12.6%
CWW	5	0.2%	0.4%	2	0.5%	1.4%
Boarded Ferry with Car/Van/Bus	6	0.3%	1.0%	2	0.5%	1.6%
Used Ferry As Walk On	7	0.3%	0.2%	1	0.2%	0.9%
Other	32	1.5%	1.7%	9	2.2%	2.1%

* Drive alone mode includes fill-in, where applicable.

Commute Trips By Mode - Affected Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - Affected Employees



Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	1,228	70.9%	56.9%	239	79.4%	72.9%
Carpool	85	4.9%	9.3%	30	10.0%	16.3%
Vanpool	0	0.0%	0.2%	0	0.0%	0.9%
Motorcycle - 1	7	0.4%	0.2%	1	0.3%	0.9%
Motorcycle - 2	0	0.0%	0.2%	0	0.0%	0.5%
Bus	163	9.4%	16.2%	48	15.9%	24.0%
Rail	19	1.1%	0.8%	6	2.0%	1.8%
Bike	44	2.5%	2.5%	19	6.3%	4.5%
Walk	67	3.9%	3.3%	17	5.6%	4.1%
Telework	100	5.8%	8.1%	46	15.3%	17.2%
CWW	4	0.2%	0.1%	1	0.3%	0.5%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.8%	0	0.0%	0.9%
Used Ferry As Walk On	7	0.4%	0.2%	1	0.3%	0.9%
Other	8	0.5%	1.2%	3	1.0%	2.3%

* Drive alone mode includes fill-in, where applicable.

Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	228	56%	406	100%
1 Days	23	6%	178	44%
2 Days	34	8%	155	38%
3 Days	28	7%	121	30%
4 Days	33	8%	93	23%
5 Days	48	12%	60	15%
6 or More Days	12	3%	12	3%

Work Schedules By Group - All Employees (This table shows the relationship between work schedule and commute mode)

Employees who worked:	Drive Alone 5 days / week		Drive Alone 3 or 4 days / week		Used Bus At Least 3 days / week		Carpooled At Least 3 days / week		Used Rail At Least 3 days / week		Vanpooled At Least 3 times / week		Biked or Walked At Least 3 Days / week		Used 'Other' Modes At Least 3 Days / week		Used Non-Drive Alone At Least 3 Days / week	
5 days a week	148	50.5%	35	11.9%	31	10.6%	16	5.5%	3	1%	0	0%	19	6.5%	1	0.3%	91	31.1%
4 days a week (4/10s)	4	20%	8	40%	3	15%	0	0%	0	0%	0	0%	0	0%	0	0%	6	30%
3 days a week	0	0%	12	44.4%	2	7.4%	1	3.7%	1	3.7%	0	0%	1	3.7%	1	3.7%	9	33.3%
9 days in 2 weeks (9/80)	3	60%	0	0%	1	20%	0	0%	0	0%	0	0%	0	0%	0	0%	1	20%
7 days in 2 weeks	0	0%	2	66.7%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Other	4	7.5%	15	28.3%	2	3.8%	1	1.9%	0	0%	0	0%	1	1.9%	1	1.9%	12	22.6%

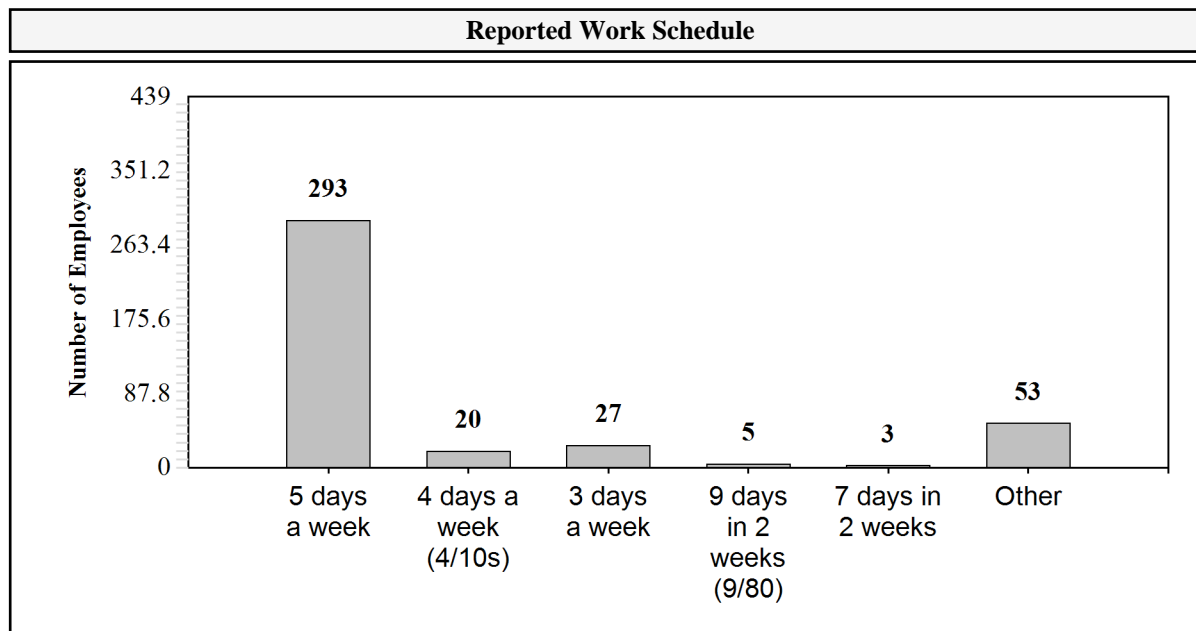
Count by Occupancy of Carpools, Vanpools, and Motorcycles

Q.4b If you used a carpool or vanpool as part of your commute, or if you ride a motorcycle, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
1	Motorcycle	12
2	Motorcycle	0
2	Carpool	98
3	Carpool	5
4	Carpool	0
5	Carpool	0
>5	Carpool	0
<5	Vanpool	0
5	Vanpool	0
6	Vanpool	0
7	Vanpool	0
8	Vanpool	0
9	Vanpool	0
10	Vanpool	0
11	Vanpool	0
12	Vanpool	0
13	Vanpool	0
14	Vanpool	0
15	Vanpool	0

Reported Work Schedule - All Employees

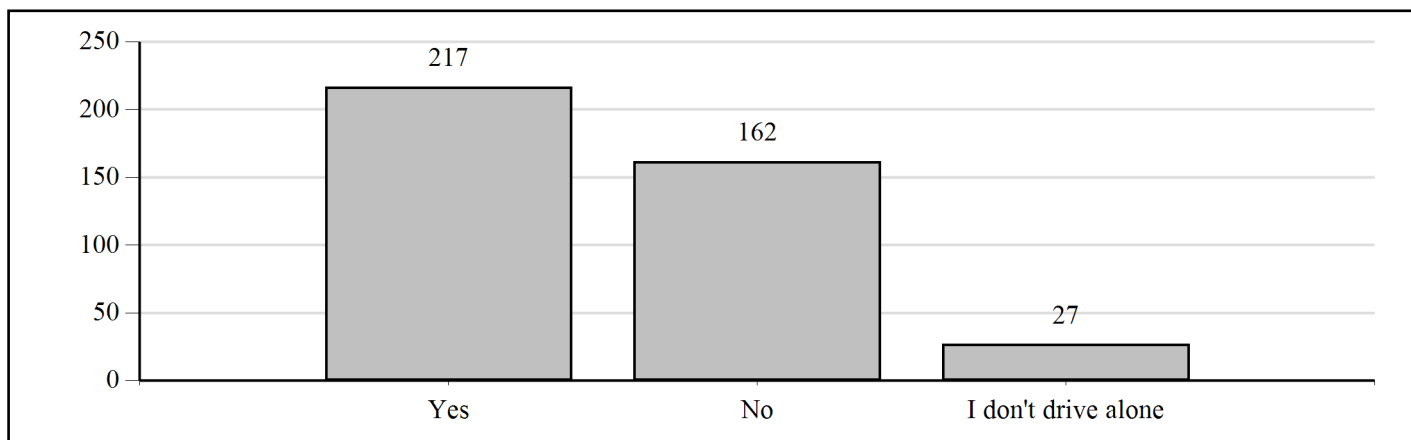
Q.5 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	293	73.1%
4 days a week (4/10s)	20	5%
3 days a week	27	6.7%
9 days in 2 weeks (9/80)	5	1.2%
7 days in 2 weeks	3	0.7%
Other	53	13.2%

Parking and Telework

Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)



Q.10: How many days do you typically telework?

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	1	0.2%
I don't telework	213	52.5%
Occasionally, on an as-needed basis	71	17.5%
1-2 days/month	20	4.9%
1 day/week	34	8.4%
2 days/week	33	8.1%
3 days/week	34	8.4%

Reasons for driving alone to work/not driving alone to work

Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
To save money	126	15.6%
Environmental and community benefits	111	13.7%
Personal health or well-being	95	11.8%
Cost of parking or lack of parking	91	11.3%
Free or subsidized bus, train, vanpool pass or fare benefit	89	11.0%
I have the option of teleworking	87	10.8%
Other	78	9.7%
Driving myself is not an option	39	4.8%
Financial incentives for carpooling, bicycling or walking.	33	4.1%
To save time using the HOV lane	32	4.0%
Emergency ride home is provided	15	1.9%
I receive a financial incentive for giving up my parking space	6	0.7%
Preferred/reserved carpool/vanpool parking is provided	6	0.7%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
Riding the bus or train is inconvenient or takes too long	277	29.8%
I like the convenience of having my car	197	21.2%
Family care or similar obligations	154	16.6%
Other	109	11.7%
My job requires me to use my car for work	72	7.8%
My commute distance is too short	58	6.3%
Bicycling or walking isn't safe	33	3.6%
I need more information on alternative modes	23	2.5%
There isn't any secure or covered bicycle parking	5	0.5%

Employee Transit Use - All Employees

Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	4	0	1	4	0	9	7	0	4	3
2	2	0	1	5	0	6	9	0	1	3
3	0	0	0	0	0	4	2	0	0	0
4	1	0	1	10	0	7	10	0	0	1
5	0	0	0	1	0	3	2	0	0	1
6	2	0	0	6	0	6	9	0	1	0
7	0	0	0	0	0	0	0	0	0	0
8	1	0	0	3	0	3	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0
10	0	0	2	5	0	9	4	0	1	0
11 or more	0	0	0	1	0	0	2	0	0	0
# Of Employees using Transit	10	0	5	35	0	47	45	0	7	9
Total One-Way Transit Trips Per Week	32	0	27	183	0	226	201	0	22	26

Employee Transit Use - Affected Employees

Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	3	0	0	4	0	7	4	0	2	3
2	2	0	1	2	0	5	8	0	1	2
3	0	0	0	0	0	3	2	0	0	0
4	1	0	1	8	0	7	7	0	0	0
5	0	0	0	0	0	3	1	0	0	1
6	2	0	0	6	0	5	8	0	1	0
7	0	0	0	0	0	0	0	0	0	0
8	1	0	0	2	0	2	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0
10	0	0	2	4	0	9	2	0	1	0
11 or more	0	0	0	1	0	0	2	0	0	0
# Of Employees using Transit	9	0	4	27	0	41	34	0	5	7
Total One-Way Transit Trips Per Week	31	0	26	146	0	205	153	0	20	20

Commute Mode By ZipCode for All Employees

Q8. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
08422	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
10015	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98001	5	1.23%	19	0	0	0	0	0	0	0	3	0	0	0	0
98002	2	0.49%	8	0	0	0	0	0	0	0	0	0	0	0	0
98003	4	0.99%	16	0	0	0	0	0	0	0	0	0	0	0	0
98006	7	1.72%	18	5	0	0	0	0	0	0	12	0	0	0	0
98023	10	2.46%	41	0	0	0	0	0	0	0	0	0	0	0	0
98028	2	0.49%	0	0	0	0	5	0	0	0	5	0	0	0	0
98030	3	0.74%	12	0	0	0	0	0	0	0	4	0	0	0	0
98031	1	0.25%	5	0	0	0	0	0	1	0	0	0	0	0	0
98032	1	0.25%	4	0	0	0	0	0	0	0	1	0	0	0	0
98036	1	0.25%	0	0	0	0	3	0	0	0	0	0	0	0	0
98038	1	0.25%	3	0	0	0	0	0	0	0	1	0	0	0	0
98042	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98047	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98053	1	0.25%	0	0	0	0	6	0	0	0	0	0	0	0	0
98055	1	0.25%	4	0	0	0	0	0	0	0	1	0	0	0	0
98056	1	0.25%	0	0	0	0	0	3	0	0	0	0	0	0	0
98058	2	0.49%	7	0	0	0	0	0	0	0	0	0	0	0	0
98059	4	0.99%	9	0	0	0	0	0	0	0	4	0	0	0	0
98070	7	1.72%	5	0	0	0	5	0	1	0	6	0	6	7	1
98102	4	0.99%	9	0	0	0	1	3	0	0	3	1	0	0	2
98103	4	0.99%	5	1	0	0	5	0	0	0	8	0	0	0	0
98104	2	0.49%	2	0	0	0	5	0	0	0	0	0	0	0	0
98105	2	0.49%	0	0	0	0	7	0	0	0	4	0	0	0	0
98106	1	0.25%	2	1	0	0	0	0	0	0	1	0	0	0	0



98107	2	0.49%	4	0	0	0	3	0	0	0	2	0	0	0	0
98112	4	0.99%	7	0	0	0	4	0	0	0	3	0	0	0	0
98115	6	1.48%	12	2	0	0	6	0	0	0	11	0	0	0	0
98116	3	0.74%	6	0	0	0	2	0	0	1	2	0	0	0	0
98117	2	0.49%	4	0	0	0	0	0	0	0	0	0	0	0	7
98118	6	1.48%	15	0	0	0	5	2	1	0	1	0	0	0	0
98119	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98121	1	0.25%	0	0	0	0	6	0	0	0	0	0	0	0	0
98122	1	0.25%	0	0	0	0	4	0	1	0	0	0	0	0	0
98125	2	0.49%	3	0	0	0	5	0	0	0	0	0	0	0	0
98126	4	0.99%	9	0	0	0	5	0	0	0	8	0	0	0	0
98133	1	0.25%	0	0	0	0	3	0	0	0	0	0	0	0	0
98136	3	0.74%	11	1	0	0	0	0	0	0	1	0	0	0	0
98155	2	0.49%	6	0	0	0	0	0	0	0	4	0	0	0	0
98166	2	0.49%	6	0	0	0	0	0	0	0	0	0	0	0	0
98198	1	0.25%	2	0	0	0	0	0	0	0	0	0	0	0	0
98199	1	0.25%	4	0	0	0	0	0	0	0	1	0	0	0	0
98311	1	0.25%	0	2	0	0	0	0	0	0	0	0	0	0	0
98312	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98321	2	0.49%	10	0	0	0	0	0	0	0	0	0	0	0	0
98327	3	0.74%	10	5	0	0	0	0	0	0	0	0	0	0	0
98328	1	0.25%	3	0	0	0	0	0	0	0	2	0	0	0	0
98329	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98332	6	1.48%	10	0	0	0	8	0	0	0	0	0	0	0	0
98335	18	4.43%	50	19	0	7	0	0	0	0	2	0	0	0	0
98337	1	0.25%	6	0	0	0	0	0	0	0	0	0	0	0	0
98351	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98353	1	0.25%	0	0	0	0	5	0	0	0	0	0	0	0	0
98354	3	0.74%	15	0	0	0	0	0	0	0	0	0	0	0	0
98355	1	0.25%	1	0	0	0	0	0	0	2	0	0	0	0	0
98360	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98366	2	0.49%	3	0	0	0	0	0	0	0	0	0	0	0	0
98367	2	0.49%	3	0	0	0	7	0	0	0	0	0	0	0	0
98370	2	0.49%	5	0	0	0	0	0	0	0	0	0	0	0	0
98371	6	1.48%	30	0	0	0	0	0	0	0	0	0	0	0	0
98372	2	0.49%	10	0	0	0	0	0	0	0	0	0	0	0	0
98373	3	0.74%	15	0	0	0	0	0	0	0	0	0	0	0	0



98374	5	1.23%	11	0	0	0	5	0	0	2	3	0	0	0	0
98375	4	0.99%	16	1	0	0	0	0	0	0	0	0	0	0	0
98385	2	0.49%	10	0	0	0	0	0	0	0	0	0	0	0	0
98387	5	1.23%	18	4	0	0	0	0	0	0	2	0	0	0	0
98388	3	0.74%	13	0	0	0	0	0	0	0	5	0	0	0	0
98390	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98391	3	0.74%	9	1	0	0	1	3	0	0	0	0	0	0	0
98394	1	0.25%	1	0	0	0	4	0	0	0	0	0	0	0	0
98402	17	4.19%	17	0	0	0	9	0	2	57	2	0	0	0	0
98403	18	4.43%	39	8	0	0	22	0	13	4	1	0	0	0	0
98404	6	1.48%	18	2	0	5	0	6	0	0	0	0	0	0	0
98405	17	4.19%	57	8	0	0	3	0	4	5	2	0	0	0	0
98406	27	6.65%	101	3	0	0	11	1	7	4	3	0	0	0	2
98407	37	9.11%	139	2	0	0	15	0	6	0	11	0	0	0	3
98408	7	1.72%	16	5	0	0	7	0	4	3	0	0	0	0	0
98409	2	0.49%	11	0	0	0	0	0	0	0	0	0	0	0	0
98418	5	1.23%	20	0	0	0	0	0	0	0	0	0	0	0	0
98422	8	1.97%	23	5	0	0	0	0	0	0	3	0	0	0	5
98424	2	0.49%	8	0	0	0	0	0	0	0	3	0	0	0	0
98443	2	0.49%	5	0	0	0	0	5	0	0	0	0	0	0	0
98444	3	0.74%	11	4	0	0	0	0	0	0	0	0	0	0	0
98445	3	0.74%	15	0	0	0	0	0	0	0	0	0	0	0	0
98446	2	0.49%	10	0	0	0	0	0	0	0	0	0	0	0	0
98447	1	0.25%	2	0	0	0	3	0	0	0	0	0	0	0	0
98465	4	0.99%	16	0	0	0	0	0	0	0	0	4	0	0	0
98466	12	2.96%	48	10	0	0	0	0	5	0	2	0	0	0	0
98467	5	1.23%	17	0	0	0	4	0	1	0	0	0	0	0	0
98498	4	0.99%	18	0	0	0	0	0	0	0	1	0	0	0	0
98499	2	0.49%	7	0	0	0	0	0	0	0	0	0	0	0	0
98501	3	0.74%	8	2	0	0	0	0	0	0	2	0	0	0	0
98502	7	1.72%	28	1	0	0	0	0	0	0	3	0	0	0	0
98503	4	0.99%	10	0	0	0	4	0	0	0	0	0	0	0	5
98506	2	0.49%	2	5	0	0	0	0	0	0	0	0	0	0	0
98513	2	0.49%	2	0	0	0	0	0	0	0	4	0	0	0	0
98516	4	0.99%	16	1	0	0	0	0	0	0	0	0	0	0	0
98580	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98583	1	0.25%	4	0	0	0	0	0	0	0	1	0	0	0	0



98584	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98597	2	0.49%	5	5	0	0	0	0	0	0	0	0	0	0	0
99338	1	0.25%	0	0	0	0	0	0	0	0	0	0	0	0	7